Title (en)

Improved wear resistance in carbon fiber friction materials

Title (de)

Kohlenstofffasernreibungsmaterial mit verbesserter Verschleissfestigkeit

Title (fr)

Matériau de friction en fibres de carbone à résistance à l'usure améliorée

Publication

EP 1568911 A1 20050831 (EN)

Application

EP 05008295 A 20020408

Priority

- EP 02736553 A 20020408
- US 28242801 P 20010409
- US 3679301 A 20011108

Abstract (en)

A carbon fiber brake preform comprises an annular disc built up of a plurality of annular fabric arc segments composed of from 90 to 70 weight % continuous fibers and from 10 to 30 weight % staple fibers, wherein each of said annular segments has radial directions oriented from the center of the annulus to points on its outer diameter and wherein the radial direction that passes through the center of the segment outer diameter constitutes a segment arc bisector, wherein said fabric segments are arranged with at least 80% of the continuous fibers in said fabric segments oriented in the radial direction and parallel to the segment arc bisectors.

IPC 1-7

F16D 69/02; C04B 35/83

IPC 8 full level

C04B 35/83 (2006.01); **F16D 69/02** (2006.01)

CPC (source: EP)

C04B 35/83 (2013.01); **D04H 18/02** (2013.01); **F16D 69/023** (2013.01); C04B 2235/5268 (2013.01)

Citation (search report)

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- [Y] EP 0721835 A2 19960717 - GOODRICH CO B F [US]
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Designated contracting state (EPC)

IT

DOCDB simple family (publication)

EP 1568911 A1 20050831

DOCDB simple family (application)

EP 05008295 A 20020408